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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/010,918	12/07/2001	David R. Cheriton	M-9764 US	6156
33031 7	7590 09/20/2005		EXAMI	INER
	STEPHENSON ASCO	SHAW, PELING ANDY		
4807 SPICEWOOD SPRINGS RD. BLDG. 4, SUITE 201			ART UNIT	PAPER NUMBER
AUSTIN, TX			2144	
			DATE MAILED: 09/20/2009	;

Please find below and/or attached an Office communication concerning this application or proceeding.

	<u> </u>					
	Application No.	Applicant(s)				
	10/010,918	CHERITON, DAVID R.				
Office Action Summary	Examiner	Art Unit				
	Peling A. Shaw	2144				
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING [ - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI. .136(a). In no event, however, may a d will apply and will expire SIX (6) MO te, cause the application to become A	CATION. reply be timely filed  NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 11.	July 2003.					
2a) This action is <b>FINAL</b> . 2b) ⊠ Thi	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowed	· ·	•				
closed in accordance with the practice under	Ex parte Quayle, 1935 C.I	D. 11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-55</u> is/are pending in the application	n.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-55</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/	or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examin	er.					
10)⊠ The drawing(s) filed on <u>07 December 2001</u> is/	are: a)⊠ accepted or b)[	☐ objected to by the Examiner.				
Applicant may not request that any objection to the	e drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	· ·					
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreig a) ☐ All b) ☐ Some * c) ☐ None of:	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documer						
3. Copies of the certified copies of the pri	•	received in this National Stage				
application from the International Burea		t reactived				
* See the attached detailed Office action for a lis	it of the certified copies no	received.				
Attachment(s)	_					
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) (s)/Mail Date				
<ul> <li>Notice of Drattsperson's Patent Drawing Review (P10-946)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 04/23/2003.</li> </ul>		Informal Patent Application (PTO-152)				

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### **DETAILED ACTION**

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### **Priority**

1. This application has no priority claim made. The filing date is 12/07/2001.

## Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-55 are rejected under 35 U.S.C. 102(e) as being anticipated by Uga et al. (US 6718326 B2), hereinafter referred as Uga.

- a. Regarding claim 1, Uga disclosed a method of processing a packet comprising: populating a plurality of multi-feature packet processing rules in a multi-feature classification memory (column 20, line 51-60); and populating an associated content-addressable memory with a plurality of indices of said plurality of multi-feature packet processing rules in said multi-feature classification memory (column 20, line 44-50).
- b. Regarding claim 2, Uga disclosed the method of claim 1, further comprising: identifying a classification of said packet; and using said classification to identify said multi-feature packet processing rule (column 20, line 37-43).

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c. Regarding claim 3, Uga disclosed the method of claim 2, wherein said classification is based on a plurality of parameters of said packet (column 20, line 37-43).

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- d. Regarding claim 4, Uga disclosed the method of claim 2, further comprising: receiving said packet; finding a match for said classification in said associated content-addressable memory; and receiving one of said indices from said associated content-addressable memory for one of said multi-feature packet processing rules in said multi-feature classification memory (column 20, line 61-column 21, line 12).
- e. Regarding claim 5, Uga disclosed the method of claim 4, further comprising: using said index to receive said multi-feature packet processing rule from said multi-feature classification memory (column 20, line 61-column 21, line 12).
- f. Regarding claim 6, Uga disclosed the method of claim 4, wherein said content-addressable memory is a multi-feature content addressable memory (column 20, line 44-50).
- g. Regarding claim 7, Uga disclosed the method of claim 4, wherein said content-addressable memory is a feature based content-addressable memory bank (column 20, line 44-50).
- h. Regarding claim 8, Uga disclosed the method of claim 7, wherein said multi-feature packet processing rules are populated in said multi-feature classification memory according to a feature hierarchy (column 3, line 19-40).
- i. Claims 9-16 are of the same scope as claims 1-8. These are rejected for the same reason as for claims 1-8.

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j. Claims 17-23 are of the same scope as claims 1-8. These are rejected for the same reason as for claims 1-8.

- k. Claims 24-31 are of the same scope as claims 1-8. These are rejected for the same reason as for claims 1-8.
- 1. Claims 32-39 are of the same scope as claims 1-8. These are rejected for the same reason as for claims 1-8.
- m. Claims 40-47 are of the same scope as claims 1-8. These are rejected for the same reason as for claims 1-8.
- n. Claims 48-55 are of the same scope as claims 1-8. These are rejected for the same reason as for claims 1-8.

Uga disclosed all limitations of claims 1-55. Claims 1-55 are rejected under 35 U.S.C. 102(e).

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### Remarks

3. The following pertaining arts are discovered and not used in this office action. Office reserves the right to use these arts in later actions.

- a. Mate et al. (US 20030056001 A1) Selective routing of data flows using a TCAM
- b. Woo (US 20020023089 A1) Modular packet classification
- c. Fowler et al. (US 6504819 B2) Classes of service in an MPOA network
- d. Ginossar (US 6477143 B1) Method and apparatus for packet network congestion avoidance and control
- e. Gai et al. (US 6167445 A) Method and apparatus for defining and implementing high-level quality of service policies in computer networks
- f. Herbert (US 5325445 A) Feature classification using supervised statistical pattern recognition
- g. Schultz et al. (1994 IEEE) CAM-Based Single-Chip Shared Buffer ATM Switch

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### Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to the enclosed PTO-892 for details.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peling A. Shaw whose telephone number is (571) 272-7968. The examiner can normally be reached on M-F 8:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the statu9s of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

pas

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SUPERVISORY PATENT EXAMINER
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